

EDUCATION.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Joint Chiefs of Staff, shall ensure that the curriculum for professional military education is revised in each of the military services to incorporate periodic courses on militarily significant emerging technologies that increasingly build the knowledge base, vocabulary, and skills necessary to intelligently analyze and utilize emerging technologies in the tactical, operational, and strategic levels of warfighting and warfighting support.

(c) EMERGING TECHNOLOGY-CODED BILLETS WITHIN THE DEPARTMENT OF DEFENSE.—

(1) **IN GENERAL.**—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall ensure that the military services—

(A) code appropriate billets to be filled by emerging technology-qualified officers; and

(B) develop a process for officers to become qualified in emerging technologies.

(2) **APPROPRIATE POSITIONS.**—Emerging technology-coded positions may include, as appropriate—

(A) positions responsible for assisting with acquisition of emerging technologies;

(B) positions responsible for helping integrate technology into field units;

(C) positions responsible for developing organizational and operational concepts;

(D) positions responsible for developing training and education plans; and

(E) leadership positions at the operational and tactical levels within the military services.

(3) **QUALIFICATION PROCESS.**—The process for qualifying officers for emerging technology-coded billets shall be modeled on a streamlined version of the joint qualification process and may include credit for serving in emerging technology focused fellowships, emerging technology focused talent exchanges, emerging technology focused positions within government, and educational courses focused on emerging technologies.

SA 3949. Mr. PORTMAN submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. ____ SUPPORT FOR INDUSTRY PARTICIPATION IN INTERNATIONAL STANDARDS ORGANIZATIONS.

(a) **DEFINITIONS.**—In this section:

(1) **ADMINISTRATOR.**—The term “Administrator” means the Administrator of the Small Business Administration.

(2) **ARTIFICIAL INTELLIGENCE.**—The term “artificial intelligence” has the meaning given the term in section 238(g) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (10 U.S.C. 2358 note).

(3) **COVERED ENTITY.**—The term “covered entity” means a small business concern that is incorporated and maintains a primary place of business in the United States.

(4) **SMALL BUSINESS CONCERN.**—The term “small business concern” has the meaning given the term in section 3 of the Small Business Act (15 U.S.C. 632).

(b) **ESTABLISHMENT.**—Not later than 180 days after the date of enactment of this Act,

the Administrator shall establish a program to support participation by covered entities in meetings and proceedings of standards development organizations in the development of voluntary technical standards.

(c) **ACTIVITIES.**—In carrying out the program established under subsection (b), the Administrator shall award competitive, merit-reviewed grants to covered entities to cover the reasonable costs, up to a specified ceiling, of participation of employees of those covered entities in meetings and proceedings of standards development organizations, including—

(1) regularly attending meetings;

(2) contributing expertise and research;

(3) proposing new work items; and

(4) volunteering for leadership roles such as a convener or editor.

(d) **AWARD CRITERIA.**—The Administrator may only provide a grant under this section to a covered entity that—

(1) demonstrates deep technical expertise in key emerging technologies and technical standards, including artificial intelligence and related technologies;

(2) commits personnel with such expertise to regular participation in international bodies responsible for developing standards for such technologies over the period of the grant; and

(3) agrees to participate in efforts to coordinate between the Federal Government and industry to ensure protection of national security interests in the setting of international standards.

(e) **NO MATCHING CONTRIBUTION.**—A recipient of an award under this section shall not be required to provide a matching contribution.

(f) **EVALUATION.**—In making awards under this section, the Administrator shall coordinate with the Director of the National Institute of Standards and Technology, who shall provide support in the assessment of technical expertise in emerging technologies and standards setting needs.

(g) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated for fiscal year 2022 and each fiscal year thereafter \$1,000,000 to carry out the program established under this section.

SA 3950. Mr. WICKER (for himself, Mr. WARNOCK, Mr. DUCKWORTH, Mr. TOOMEY, Mrs. CAPITO, Mr. SCOTT of South Carolina, Mr. CASEY, and Mr. BOOKER) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle G of title X of division A, add the following:

SEC. 10 ____ WILLIAM T. COLEMAN, JR., FEDERAL BUILDING DESIGNATION.

(a) **IN GENERAL.**—The headquarters building of the Department of Transportation located at 1200 New Jersey Avenue, SE, in Washington, DC, shall be known and designated as the “William T. Coleman, Jr., Federal Building”.

(b) **REFERENCES.**—Any reference in a law, map, regulation, document, paper, or other record of the United States to the building referred to in subsection (a) shall be deemed to be a reference to the “William T. Coleman, Jr., Federal Building”.

SA 3951. Mrs. BLACKBURN submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

Strike section 853 and insert the following:
SEC. 853. DETERMINATION WITH RESPECT TO OPTICAL FIBER FOR DEPARTMENT OF DEFENSE PURPOSES.

(a) **DETERMINATION.**—

(1) **IN GENERAL.**—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall review access, metro, and long-haul passive optical fiber and optical fiber cable that is manufactured or produced by an entity owned or controlled by the People's Republic of China for potential inclusion on the list of covered communications equipment pursuant to section 2 of the Secure and Trusted Communications Networks Act of 2019 (47 U.S.C. 1601).

(2) **APPLICABILITY.**—If the Secretary of Defense makes a determination that any such optical fiber or optical fiber cable would pose an unacceptable risk to the national security of the United States or the security and safety of United States persons and should be included on the list, any such inclusion shall apply to such optical fiber or optical fiber cable deployed after such determination.

(b) **NOTIFICATION REQUIREMENT.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall notify the congressional defense committees of the findings of the review and determination required under subsection (a).

(c) **DEFINITIONS.**—In this section:

(1) The term “access” means optical fiber and optical fiber cable that connects subscribers (residential and business) and radio sites to a service provider.

(2) The term “long haul” means optical fiber and optical fiber cable that connects cities and metropolitan areas.

(3) The term “metro” means optical fiber and optical fiber cable that connects city business districts and central city and suburban areas.

(4) The term “passive” means unpowered optical fiber and optical fiber cable.

SA 3952. Mrs. BLACKBURN submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

SEC. ____ PROHIBITION ON OPERATION OR PROCUREMENT OF CERTAIN FOREIGN-MADE UNMANNED AIRCRAFT SYSTEMS.

(a) **PROHIBITION ON AGENCY OPERATION OR PROCUREMENT.**—Except as provided in subsection (b) and subsection (c)(3), the Secretary of Defense and the Secretary of Homeland Security may not operate, provide financial assistance for, or enter into or renew a contract for the procurement of—